NETL Telecommunications Services

1) Commercial Television Services
   a) <u>Morgantown:</u> Adelphia cable TV service is provided in B26 (5 locations) and B2 (2 locations).
   b) <u>Pittsburgh:</u> DirecTV Satellite service is provided in B167 (1 location) and B922 (5 locations).
2) Switched Voice and Data services
   a) <u>Morgantown:</u> GSA provides switched voice and data services via a Nortel Meridian 1 Model 61C PBX.
      i) Trunking for the PBX includes 2-each Verizon PRIs for local service, 2-each MCI PRIs for long distance service, and one-each MCI PRI tie-line connecting the Morgantown and Pittsburgh sites.
      ii) GSA is responsible for PBX Administration and Maintenance.
      iii) NETL contractor staff have PBX access and responsibility for station Moves, Adds, and Changes.
      iv) The PBX is provisioned for approximately 850 lines, with a mix of Meridian digital lines, analog lines, ISDN lines (BRIs for video conferencing) and phantom-number (non-DID) lines.
   b) <u>Pittsburgh:</u> GSA provides switched voice and data services to all agencies (NIOSH, NETL and MSHA) at the Bruceton Research Center. GSA provides services at Bruceton thru two networked Nortel Meridian 1 PBXs..
      i) GSA is responsible for PBX Administration and Maintenance.
      ii) NIOSH provides NETL switched voice support under terms of an Interagency Agreement. NIOSH contractor staff have PBX access and responsibility for station Moves, Adds, and Changes.
      iii) For NETL services, the PBXs are provisioned for approximately 1150 lines, with a mix of Meridian digital lines, analog lines, ISDN lines (BRIs for video conferencing) and phantom-number (non-DID) lines.
      iv) The Master switch at Bructeon is a Nortel Meridian 1 Model 81C, located in Building 59. The Model 81C provides switched voice services to all NIOSH staff, all MSHA staff and NETL staff working on the 58 plateau and in Building 167. The 81C is provisioned with the following PSTN trunks: 3-each MCI PRIs for local service, 3-each MCI PRIs for long distance service, and one each MCI PRI tie-line to NETL Morgantown. There are 5-each PRIs connecting the 81C to a slaved PBX in Building 922.
      v) The slaved PBX (a Nortel 61C) in Building 922 provides services to NETL staff on the 900 and 920 plateaus.
3) Voice Mail
   a) Morgantown: DOE owns and operates an Octel (Avaya) Model 250. The system is equipped with 16 analog ports, an external PBX integration device (DMID), and 600 Voice Mailboxes.
   b) Pittsburgh: DOE owns and operates an Octel (Avaya) Model 250. The system is equipped with 16 analog ports, an external PBX integration device (DMID), and 750 Voice Mailboxes.

c) NETL contractor staff are responsible for voice mail administration for both voice mail systems.

d) NETL has contracted with AVAYA to provide maintenance support for both voice mail systems.

4) Cellular Services: NETL staff are assigned approximately 130 cellular phones provisioned thru: Verizon, CellularOne and AT&T.

5) Paging Services: There are approximately 155 pagers, provisioned thru: CellPage (Morgantown), WV Paging (Morgantown) and Arch Communications (Pittsburgh).

6) Satellite Services

a) Morgantown: Two satellite systems operating on the C and KU bands are installed in Building 26, one for commercial broadcasts, and the second for DOE training broadcasts. Satellite service is available to select rooms in Building 26.

b) Pittsburgh Two satellite systems operating on the C and KU bands are installed in Building 922. One for commercial broadcasts, and the second for DOE training broadcasts. Satellite service is available to select rooms in Building 922.

7) Conference Facilities Audio Video Systems

a) Morgantown: Conference facilities audio video systems include :
    i)   Rear screen video projection system;
    ii) Zoned audio system;
    iii) Wired and wireless microphone support;
    iv) Computer based presentations;
    v)   Video conferencing.

b) Pittsburgh: Conference facilities audio video systems include :
    i)   Front screen projection system;
    ii)   Zoned audio system;
    iii) Wired and wireless microphone support;
    iv)   Computer based presentations;
    v)   Video conferencing;

c) There are plans to upgrade the Morgantown and Pittsburgh conference room audio and video systems during the fall of 2003.   The upgrades will include new video conferencing systems, improved audio systems, installation of audio and video switchers and installation of simplified controls. A contract will be placed with the vendor for maintenance support.

8) Video conferencing

a) Morgantown –A total of 3 Polycom ViewStations are available for video conferencing.
    i)   Systems are located in Building 26 (2-systems) and Building 1 (1-system).
    ii) All systems are provisioned with ISDN lines to place and receive calls.

b) Pittsburgh – A total of 6 Polycom systems are available for video conferencing.
    i)   Polycom ViewStations are available in Building 922 (3-each), Building 921 (1-each), and Building 84 (1-each).
    ii) One Polycom i970 is available in Building 58.
    iii) All systems use ISDN lines to place and receive calls.

c) All systems are covered by vendor maintenance contracts.